

ABSTRACT OF THE DISCLOSURE

A disc carrier assembly for a spindle motor for an optical disc drive includes a rotor and a disc carrier. The rotor includes an end wall and a peripheral wall. The end wall has a central hole. The disc carrier includes a
5 main plate having an inner side and an outer side. The inner side of the main plate is in intimate contact with the end wall of the rotor. The main plate includes an engaging portion on the inner side thereof. The engaging portion includes an axial hole through which a shaft is securely extended, allowing joint rotation of the disc carrier and the shaft. The engaging portion further
10 includes an annular groove for securely receiving a peripheral wall portion delimiting the central hole of the end wall of the rotor, allowing joint rotation of the disc carrier and the rotor.